

SUPPORT FOR AN EXHAUST GAS PURIFICATION CATALYST AND
PRODUCTION METHOD

5

ABSTRACT OF THE DISCLOSURE

10 A metal oxide is synthesized in the pores of a
porous catalyst base material by impregnating a raw
material solution for synthesis of that metal oxide into
those pores. At that time, mesh-like cracks are formed
in the metal oxide support layer coated onto the inner
surfaces of the pores by adjusting the solid portion
15 concentration in the raw material solution for
synthesizing the metal oxide to a suitable value. In
addition, fine pores are formed in the metal oxide
support layer obtained after firing by containing a
polymer and so forth in the raw material solution for
20 synthesizing the metal oxide. The presence of these
mesh-like cracks and/or fine pores in the metal oxide
support layer allow the obtaining of effects such as
greater ease of diffusion of exhaust gas into this
support layer.